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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re Application of:

Keiichi KANEKO et al.

Serial No. 09/804,396

Art Unit: 2634

Filed: March 13, 2001

Examiner: Deppe, Betsy Lee

For: METHOD AND APPARATUS  
FOR GENERATING  
TRANSMISSION SIGNAL BY  
PROCESSING WHICH  
INCLUDES DIGITAL  
QUADRATURE MODULATION

Atty Docket: 0102/0159

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**  
**FILED PURSUANT TO 37 CFR 1.97**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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Technology Center 2600

Sir:

For insuring compliance with the applicants' duty of disclosure under 37 CFR §1.56, the undersigned hereby submits the documents listed on the attached Form PTO-1449 for consideration by the Examiner in charge of the above-identified patent application.

These documents are being submitted (check only one of the next four boxes):

- ☐ within three months of the filing of the above U.S. national application or of the date of entry of the U.S. national stage in an International Patent Application (no fee is due); (37 CFR §1.97(b))
- ☐ before receiving a first Office Action on the merits of the above-identified patent application (no fee is due); (37 CFR §1.97(b))
- ☒ following receipt of a first Office Action, but before issuance of a Final Office Action or a Notice of Allowance (if this box is checked, one of the last three boxes also must be checked); (37 CFR §1.97(c))

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OR

- ☐ following receipt of a Notice of Allowance or a Final Office Action. The undersigned hereby requests consideration of this Information Disclosure Statement after the mailing the Final Office Action or Notice of Allowance by filing this Information Disclosure Statement under 37 CFR §1.97(d)
- ☐ The Commissioner is authorized to debit \$180.00 for payment of the fee set forth in 37 CFR § 1.17(p). (37 CFR §1.97(d)(2))
- ☒ The undersigned certifies that each item of this information is being submitted within three months of the date it was cited by the European Patent Office in a counterpart application. (37 CFR §1.97(e)(1))
- ☐ The undersigned certifies that, after making reasonable inquiry, he/she has no knowledge that any item of this information was cited by a foreign patent office in a counterpart application or was known more than three months prior to this submission. (37 CFR §1.97(e)(2))

The Commissioner is hereby authorized to charge payment of any deficiency in the above fee(s) or to charge any additional fees required under 37 CFR § 1.16 or 1.17 or credit any overpayment to Deposit Account No. 50-0501. A duplicate copy of this authorization is attached for the Finance Branch.

Respectfully submitted,



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Date: July 29 2004

FORM PTO-1449

## INFORMATION DISCLOSURE CITATION

Atty Docket  
0102/0159Serial No.  
09/804.396Applicant  
Keiichi KANEKO et al.Filing Date  
March 13, 2001Group Art Unit  
2634

## U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date
	AA	4,626,803	12/02/1986	Holm			12/30/1985
	AB	5,351,016	09/27/1994	Dent			05/28/1993
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

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## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub-Class	Translation
	AL	0441110	08/14/1991	EP			
	AM	WO 98/20657	05/14/1998	PC			
	AN						
	AO						
	AP						

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR		Keller T. et al, "Sub-Band Adaptive Pre-Equalised OFDM Transmission", Vehicular Technology Conference, 1999. IEEE VTS 50 <sup>th</sup> Amsterdam, Netherlands Sept. 19-22, 1999 pp 334-338
	AS		
	AT		

Examiner

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP § 609.  
 Draw line through citation if not in conformance and not considered.  
 Include copy of this form with next communication to Applicant.

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